



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

: PATENT APPLICATION

KUBOTA, ET AL.

EXCHANGE DECOUPLE COBALT/NOBLE

METAL PERPENDICULAR RECORDING

MEDIA

POWER OF ATTORNEY

We, Seagate Technology LLC, a Delaware corporation, as assignee of the above-identified application, hereby appoint the following attorney(s) and/or agent(s) to prosecute and to transact all business in the Patent and Trademark Office in connection with the above-identified application: Lynn J. Alstadt, Registration No. 29,362; Jose J. Aparicio, Registration No. 48,837; George Patrick Baier, Registration No. 26,717; Dennis M. Carleton, Registration No. 40,938; Craig G. Cochenour, Registration No. 33,666; Michael L. Dever, Registration No. 32,216; John E. Grosselin, III, Registration No. 38,478; Bryan H. Opalko, Registration No. 40,751; Michael G. Panian, Registration No. 32,623; and Carla J. Vrsansky, Registration No. 36,958 of the firm of Buchanan Ingersoll Professional Corporation.

In addition, the undersigned appoints Carol I. Bordas, Registration No. 37,284; Derek J. Berger, Registration No. 45,401; Kirk A. Cesari, Registration No. P-47,479; Shawn B. Dempster, Registration No. 34,321; Raghunath Minsandram, Registration No. 38,683; Johathan E. Olson, Registration No. 41,231 and Paul Dietz, Registration No. 38,858 of Seagate Technology LLC as attorneys and/or patent agents with the full power to represent the applicant in connection with this application.

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Date December 20, 2001

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PTO/SB/02A (11-00)

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page ___ of ___

Name of Additional Joint Inventor, if an	A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])		Family Name	or S	umame			
Mei-Ling		,	Wu					
Inventor's Signature		Date [2/20/0]						
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Mailing Address								
City Cranberry Township	State PA		ZIP 16066 Country USA					
Name of Additional Joint Inventor, if an	ıy:		A petition has been filed	for thi	s unsigned inventor			
Given Name (first and middle [if any])	Family Name or Surname						
Inventor's Signature Date								
Residence: City State			Country Citizenship					
Malling Address								
Mailing Address								
City		ZIP	IP Country					
Tetal County								
Name of Additional Joint Inventor, if any:			A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])	Family N	ame d	or Surname					
Inventor's Signature Date					Date			
Residence: City State		Country			Citizenship			
Malling Address								
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City	State		ZIP	Co	ountry			

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	FOR UTILITY OR	Att rney D cket Number	er 010951 Kubota, et al.		
PATENT APPLICATION (37 CFR 1.63)		COMPLETE IF KNOWN			
		Application Number			
X Declaration	Declaration	Filing Date			
Submitted OR Submitted after Initial With Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Group Art Unit				
	(37 ČFR 1.16 (e))	Examiner Name			

My residence, mailing address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: EXCHANGE DECOUPLE COBALT/NOBLE METAL PERPENDICULAR RECORDING DATA (Title of the Invention) the specification of which is attached hereto OR was filed on (MM/DD/YYYY) and was amended on (MM/DD/YYYY) I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or or plant breeder's rights certificate(s), or 35(s) or 19 PCT intermational ship date of the prior application and the national or or plant breeder's rights certificate(s), or 35(s) or 19 PCT intermational application which designated at least one country other than the United States of America, issued below and have also identified below, by checking the box, any foreign application. Prior region application or which priority is claimed. Prior Foreign Application Number(s) Country Foreign Filing Date (MM/DD/YYYY) Recording Institute of the invention of the above identified below. Priority Not Claimed Prior Foreign Application Number(s) Country Foreign Filing Date (MM/DD/YYYY) Recording Institute of the application	As a below named inventor, I he	reby declare that:		<u> </u>					
EXCHANGE DECOUPLE COBALT/NOBLE METAL PERPENDICULAR RECORDING DATA (Title of the Invention) the specification of which is attached hereto OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application in protry benefits under 35 U.S.C. 119(a)(d) or (f), or 365(b) of any foreign application and the national or patent, inventor's or plant breeder's rights certificate(s), or 365(e) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application on which priority is claimed. Prior Foreign Application Country Foreign Filing Date Priority Certified Copy Attached?	My residence, mailing address, and citizenship are as stated below next to my name.								
the specification of which X is attached hereto	I believe I am the original, first and names are listed below) of the sub	sole inventor (if only on ject matter which is clair	e name is listed below) o med and for which a pate	or an original, first ent is sought on th	and joint inventor e invention entitle	(if plural ed:			
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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:									

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DECLARATION — Utility or Design Patent Application

1									
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nute Shape	NAME OF SOLE OR FIRST INVENTOR :								
may, prose se mant se si Rum	Given Name Yukiko (first and middle [if any])	Family Name Kubot or Surname			:a				
willing ID, with	Inventor's Juliu duli	tu			Date 12-20-0/				
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1	City Pittsburgh	State PA ZIP 15212		ZIP 15212	Country USA				
	NAME OF SECOND INVENTOR:	A petition ha	s been f	filed for this unsi	gned inventor				
4	Given Name Dieter (first and middle [if any])		Family Name Weller or Surname						
	Inventor's Signature	elles			Date 12/21/01				
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	Mailing Address 7019 Oak Park Drive								
	City Gibsonia	State PA		15044	Country USA				
	\times Additional inventors are being named on the 1 su	polemental Addition	nal Inven	ntor(s) sheet(s) PTO	/SR/02A attached hereto				



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STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Kubota, et al. Application No./Patent No.:______Filed/Issue Date:_____ Entitled: EXCHANGE DECOUPLE COBALT? NOBLE METAL PERPENDICULAR RECORDING DATA __Seagate_Technology_LLC_____,a__Delaware (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: 1. The assignee of the entire right, title, and interest; or 2. an assignee of less than the entire right, title and interest. The extent (by, percentage) of its ownership interest is ____ in the patent application/patent identified above by virtue of either: A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel ____, Frame ____, or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: .___To:___ 1. From: The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached. To: The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached. ____To:___ The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. ocember 20 2001 Signatur

Party of

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